

# NAVIGANT

ENERGY

## DTE RCx Pilot Program

*DRAFT*



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April 21, 2015

## DTE RCx Pilot Evaluation

1. Methodology

2. Preliminary Results

3. Recommendations & Next Steps

**The Navigant evaluation approach for the RCx Pilot program was to discover and target areas of highest uncertainty.**

A

Review engineering approach of the Implementer for measure identification, documentation, and savings calculations.

B

Review engineering approach to qualifying, training, and tracking the activities of the Retrocommissioning Service Providers (RSPs)

C

Align implementation of measures and evaluation of measure to reduce program evaluation costs and ensure Realization Rates of 1.00

## 2. PRELIMINARY RESULTS

- A. Navigant reviewed all key documentation associated with the Implementer's engineering calculations and EM&V protocols and recommended changes to ensure consistency with industry resources such as the International Performance Measurement and Verification Protocol (IPMVP) where applicable.**
- » **Key Finding A1:** The Implementer's approach is consistent with rigorous standards for high impact measures, ensuring realization rates near 1.00.
  - » **Key Finding A2:** The Implementer's approach includes detailed instructions for RSPs to determine the threshold for less rigorous validation where appropriate to minimize program costs.

**DTE RCx Pilot  
Program Documents  
Reviewed by Navigant  
Included:**

**RCx Program Calculation and MV Guidelines**

**RCx Investigation Report Template**

**RCx Diagnostic and Calculation Plan**

**RCx Verification Report Template**

**RCx Lite Summary Report Template**

**DTE RCx Calculators v1.0 - Detroit-Metro AP**

### B. Navigant discussed approach to RSP qualification and training with the Implementer.

- » **Key Finding B1:** The Implementer has successfully overseen RSPs and implemented successful RCx programs using similar methods in other jurisdictions.
- » **Key Finding B2:** The Implementer has a mature RSP qualification and training process.
- » **Key Finding B3:** There are currently **6** RSPs implementing, or qualified to implement, both Standard and Lite versions of DTE's RCx Pilot Program. Six additional RSPs have recently been accepted for the program (12 total) and will be active following training.

#### DTE RCx Pilot Program Qualified Retrocommissioning Service Providers:

**Energy Design Service Systems**

**Energy Science Resource Partners, LLC**

**Newman Consulting Group, LLC**

**Peter Basso Associates, Inc.**

**Pure Eco Environmental Solutions**

**Stantec Architecture**

## 2. PRELIMINARY RESULTS

C. Navigant performed a detailed review of the Implementer's approach and reporting against the IPMVP, and provided comments which the Implementer has agreed to incorporate to ensure high savings accuracy.

- » **Key Finding C1:** The Implementer agreed to incorporate changes recommended by Navigant.
- » **Key Finding C2:** The Implementer also offered to ensure their internal reviewers are checking for these items during the internal review process.

### Navigant Recommended Revisions for Alignment with EM&V Best Practices:

**Include an explicit request for measure seasonality and detailed equipment annual schedules in template documents.**

**Include explicit instructions to RSPs in template documents regarding documentation and frequency of spot checks.**

**Clearly document which variables are assumed and which are measured.**

**Clearly include direction to the RSP to consider whether each customer has eligible gas measures.**

**Name the responsible RSP in the D&C Plan as the Primary Investigator.**

R1

#### **Navigant will review and evaluate RCx Program Pilot Projects**

- » One Lite project is in Verification Phase scheduled to be complete by mid May
- » Nexant expects a total of 16 projects to complete in 2015

R2

#### **Navigant will attend one of Nexant's RSP training sessions**

R3

**Navigant will further investigate and recommend how measures could be identified and tracked on an ongoing basis for future inclusion in the MEMD as deemed or quasi-deemed measures to reduce program costs**



# ACKNOWLEDGEMENTS

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